

FEATURES

- RoHS Compliant
- Ideal for Automotive and Industrial Applications
- Operation Current: 2.0 ~ 15.0A
- Maximum Voltage: 16V
- Temperature Range: -40°C to 125°C

AGENCY RECOGNITION

- UL (Est. Approval April 2008)
- C-UL (Est. Approval April 2008)
- TÜV (Est. Approval April 2008)

ELECTRICAL CHARACTERISTICS (23°C)

Part Number	Hold Current	Trip Current	Max. Time to Trip	Maximum Current	Rated Voltage	Typical Power	Resistance Tolerance	
							R _{MIN}	R _{1MAX}
	I _H , A	I _T , A	at 5xI _H , S	I _{MAX} , A	V _{MAX} , V _{AC/DC}	P _d , W	OHMS	OHMS
FHT200-16F	2.0	3.8	3.0	100	16	1.4	0.045	0.110
FHT300-16F	3.0	6.0	5.0	100	16	3.0	0.033	0.079
FHT400-16F	4.0	7.0	5.0	100	16	3.3	0.024	0.060
FHT450-16F	4.5	7.8	3.0	100	16	3.6	0.022	0.054
FHT550-16F	5.5	10.0	6.0	100	16	3.5	0.015	0.037
FHT600-16F	6.0	10.8	5.0	100	16	4.1	0.013	0.032
FHT650-16F	6.5	12.0	5.5	100	16	4.3	0.011	0.026
FHT700-16F	7.0	13.0	7.0	100	16	4.0	0.01	0.025
FHT750-16F	7.5	13.1	7.0	100	16	4.5	0.0094	0.022
FHT800-16F	8.0	15.0	8.0	100	16	4.2	0.008	0.020
FHT900-16F	9.0	16.5	10.0	100	16	5.0	0.0074	0.017
FHT1000-16F	10.0	18.5	9.0	100	16	5.3	0.0062	0.015
FHT1100-16F	11.0	20.0	11.0	100	16	5.5	0.0055	0.013
FHT1300-16F	13.0	24.0	13.0	100	16	6.9	0.0041	0.010
FHT1400-16F	14.0	27.0	13.0	100	16	6.9	0.003	0.009
FHT1500-16F	15.0	28.0	20.0	100	16	7.0	0.0032	0.009

I_H=Hold current-maximum current at which the device will not trip at 23°C still air.

I_T=Trip current-maximum current at which the device will always trip at 23°C still air.

V_{MAX}=Maximum voltage device can withstand without damage at its rated current.

V_{I-MAX}=Maximum interrupt voltage device can withstand for short period of time. (Not for long term.)

I_{MAX}=Maximum fault current device can withstand without damage at rated voltage (V_{MAX}).

P_d=Typical power dissipated from device when in the tripped state in 23°C still air environment.

R_{MIN}=Minimum device resistance at 23°C.

R_{1MAX}=Maximum device resistance at 23°C, 1 hour after tripping.

Lead material: (All are Tin Plated Copper) FHT200-16F, 24 AWG; FHT300-16F ~ FHT110-16F, 20AWG; FHT1300-16F ~ FHT1500-16F, 18 AWG

Soldering characteristics: MIL-STD-202, Method 208E.

Insulating coating: Flame retardant epoxy, meet UL-94V-0 requirement.

FHT PRODUCT DIMENSIONS (MILLIMETERS)

Part Number	A	B	C	D	E	F	Figure
	Maximum	Maximum	Typical	Minimum	Maximum	Typical	
FHT200-16F	9.4	14.4	5.1	7.6	3.0	1.2	1
FHT300-16F	8.8	13.8	5.1	7.6	3.0	1.2	2
FHT400-16F	10.0	15.0	5.1	7.6	3.0	1.2	2
FHT450-16F	10.4	15.6	5.1	7.6	3.0	1.2	2
FHT550-16F	11.2	18.9	5.1	7.6	3.0	1.2	2
FHT600-16F	11.2	21.0	5.1	7.6	3.0	1.2	2
FHT650-16F	12.7	22.2	5.1	7.6	3.0	1.2	2
FHT700-16F	14.0	21.9	5.1	7.6	3.0	1.2	2
FHT750-16F	14.0	23.5	5.1	7.6	3.0	1.2	2
FHT800-16F	16.5	22.5	5.1	7.6	3.0	1.2	2
FHT900-16F	16.5	25.7	5.1	7.6	3.0	1.2	2
FHT1000-16F	17.5	26.5	10.2	7.6	3.0	1.2	2
FHT1100-16F	21.0	26.1	10.2	7.6	3.0	1.2	2
FHT1300-16F	23.5	28.7	10.2	7.6	3.6	1.4	3
FHT1400-16F	23.5	28.7	10.2	7.6	3.6	1.4	3
FHT1500-16F	23.5	28.7	10.2	7.6	3.6	1.4	3

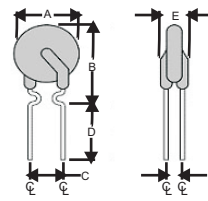


Figure 1
Lead Size: 24AWG
Ø 0.51 mm Diameter

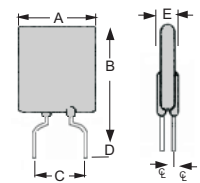


Figure 2
Lead Size: 20AWG
Ø 0.81 mm Diameter

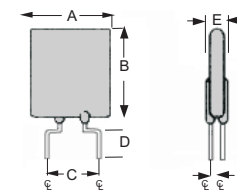
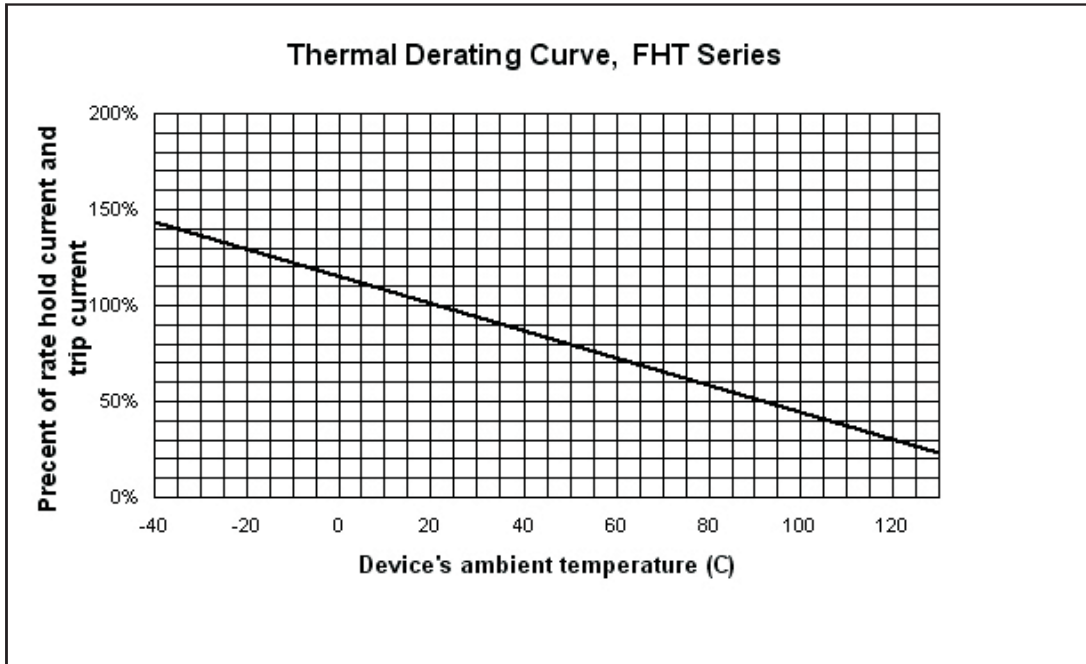


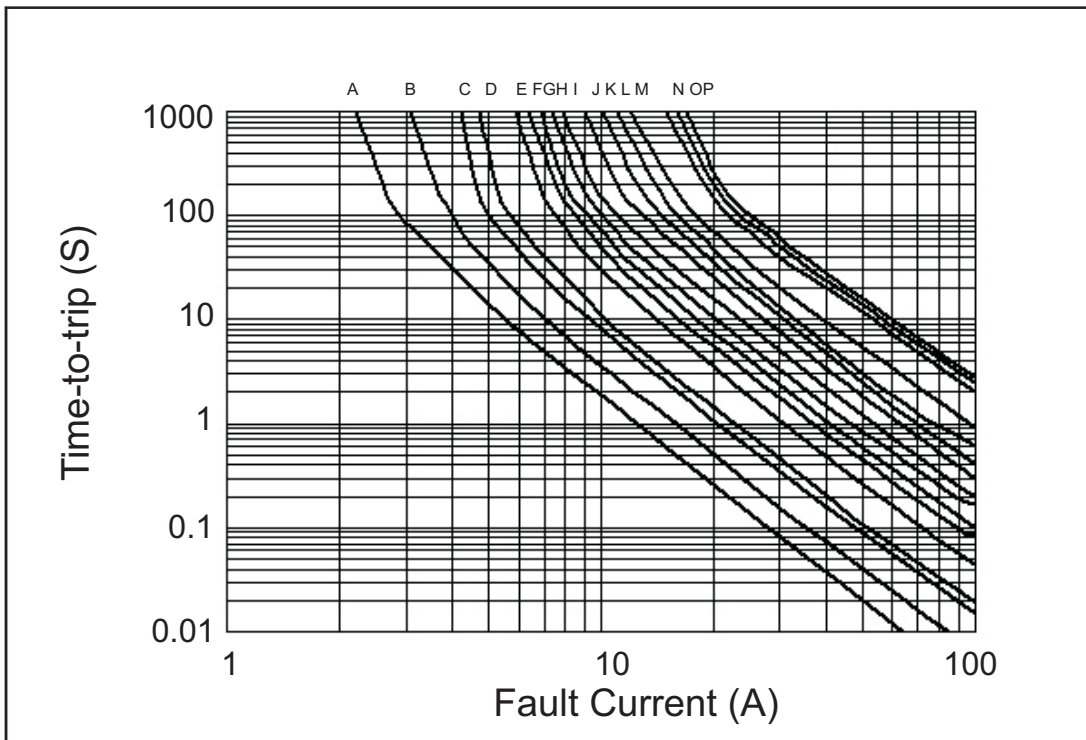
Figure 3
Lead Size: 18AWG
Ø 1.00 mm Diameter

■ THERMAL DERATING CURVE



■ TYPICAL TIME-TO-TRIP AT 23°C

- A = FHT200-16F
- B = FHT300-16F
- C = FHT400-16F
- D = FHT450-16F
- E = FHT550-16F
- F = FHT600-16F
- G = FHT650-16F
- H = FHT700-16F
- I = FHT750-16F
- J = FHT800-16F
- K = FHT900-16F
- L = FHT1000-16F
- M = FHT1100-16F
- N = FHT1300-16F
- O = FHT1400-16F
- P = FHT1500-16F



CAUTION: FRH devices are not intended for continuous use of Line Voltage such as 120 VAC 600VAC and above.

NOTE: All Specification subject to change without notice.